C-A OPERATIONS PROCEDURES MANUAL

3.22 Procedure to Evacuate RHIC Tunnel During a BNL Site-Wide Emergency

Text Pages 2 through 4

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Collider-Accelerator Department Chairman   Date

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3.22 Procedure to Evacuate RHIC Tunnel During a BNL Site-Wide Emergency

1. **Purpose**

    1.1   The purpose of this procedure is to provide instructions to MCR staff and CAS technicians regarding methods to alert occupants of the RHIC tunnel during a BNL site-wide emergency.

2. **Responsibilities**

    2.1   The Operations Coordinator, CAS Coordinator (CASC), ESH Coordinator, or the ESHQ Division Head, is responsible for the execution of this procedure.

3. **Prerequisites**

    3.1   Persons responsible to execute this procedure have been trained in C-A-OPM 3.14 "Operation of the THORN Fire Alarm Computer at Console MCR_2".

    3.2   The target groups for this procedure are the ESH Coordinators, ESHQ Division Head, the MCR Operators, Operations Coordinators (OC), and CAS technicians.

    3.3   The training requirement for this procedure is read and sign.

    3.4   The minimum number of staff members that need to be trained in order for this procedure to be effective is three, one OC, one operator, and the ESH Coordinator.

4. **Precautions**

    4.1   During periods when the MCR is staffed, the OC or CASC shall execute this procedure.

    4.2   During periods when the MCR is not staffed, the CASC, ESH Coordinator, or ESHQ Division Head, shall execute this procedure.

5. **Procedure**

> **Note:**
> The **RHIC TUNNEL EVAC** status found in the lower left hand corner of the "Bldg 1005S Panels 121 and 122" page (*AREA-322-ENTER*) will display the status of the fire alarm bells in the RHIC tunnel. IF the box adjacent to **RHIC TUNNEL EVAC** is red THEN the bells are active. IF the box adjacent RHIC TUNNEL EVAC is green, THEN the bells are silent.

5.1 IF a BNL site-wide evacuation occurs when workers could be in sections of the RHIC tunnel, THEN

  5.1.1 Ring the fire alarm bells in the tunnel either by

    5.1.1.1 Contacting the Building 1005S Building Manager or the CASC and instructing them to activate the pull box in the lobby of Building 1005S, or by

    5.1.1.2 Initiating the ringing of the RHIC tunnel alarm bells using the THORN Fire Alarm Computer at console MCR_2 in the C-A Main Control Room.

    Note:
    THE FOLLOWING STEP WILL CAUSE THE FIRE ALARM BELLS TO RING IN THE RHIC TUNNEL – DO NOT EXECUTE UNLESS A REAL EMERGENCY OR AUTHORIZED TEST IS TAKING PLACE

    - On the THORN keypad press *AREA- 322- ENTER*
      − then press *MENU - 15 - ENTER*
      − then press *MENU – 9 - ENTER*

    - Verify that the tunnel fire alarms are active by pressing *MENU – 15- ENTER* using the THORN keypad. Observe that the zone labels are red.

    Note:
    IF the THORN display shows RHIC EVAC BELL OPERATION STATUS, THEN you need not press *AREA-322-ENTER or MENU-15-ENTER* in the following steps.

  5.1.2 To silence tunnel alarms, after the evacuation, use the THORN keypad and press *AREA – 322- ENTER*,
  then press *MENU – 15 – ENTER*
  then press *MENU – 13- ENTER*.

    5.1.2.1 Verify that the tunnel fire alarms are deactivated by pressing *MENU –15- ENTER* using the THORN keypad. Observe that the zone labels are yellow.

5.1.3 To reset tunnel alarms, use the THORN keypad and press ***AREA – 322-ENTER***,
then press ***MENU – 15 – ENTER***
then press ***MENU –16- ENTER***.

5.1.3.1 Verify that the tunnel fire alarms are reset by pressing ***MENU –15-ENTER*** using the THORN keypad. Observe that the zone labels are green.

6.   **Documentation**

None

7.   **References**

7.1   C-A-OPM 3.14, "Operation of the THORN Fire Alarm Computer at Console MCR 2"

8.   **Attachments**

None